

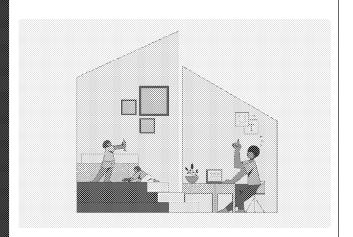
Use the Q and A module to ask questions or as for technical help.

Why we are here today

Pollution is increasing health risks in your neighborhood.

We are working to reduce this risk in three ways.

We want to hear from you.

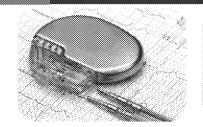




What is Ethylene Oxide?

- Gas
- Colorless
- Flammable
- Odorless

(in concentrations we see in communities)







-





impactsFrom consumer use of products made with or

sterilized with EtO

Over your lifetime

Breathing in EtO over many years can cause breast cancer and lymph cancer.



Special Considerations about Risk



Workers at sterilizer facilities may be exposed at higher levels.

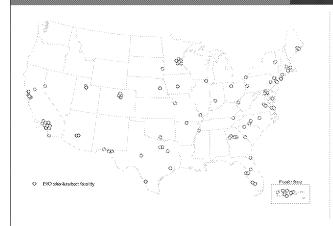


Children and babies may be at higher risk.



This risk assessment and the rule it supports are focused on community risk not worker risk.

National Context



- Approximately 100 commercial sterilizers in the United States
- B. Braun was one of 23 with the highest risk
- More information on all facilities at https://www.epa.gov/eto

Understanding Risk

How close? How much? How long?





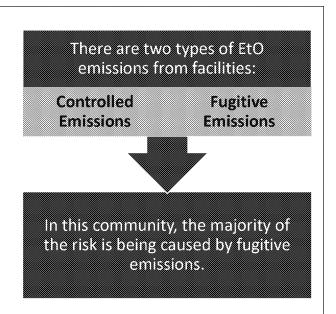
- EPA takes a protective approach when we consider timelines of exposure.
- We calculate risk as though an individual would breathe the air containing EtO 24 hours a day, every day, for 70 years.



Reducing EtO coming out of facility is the best way to reduce risk.



Where EtO Comes from at the Facility



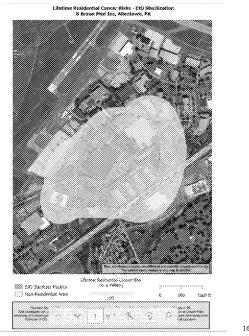
Details about this analysis EtO Uses Facility Processes Facility Equipment Community Details Weather Mapped Location of Risk Caused by EtO from a Facility

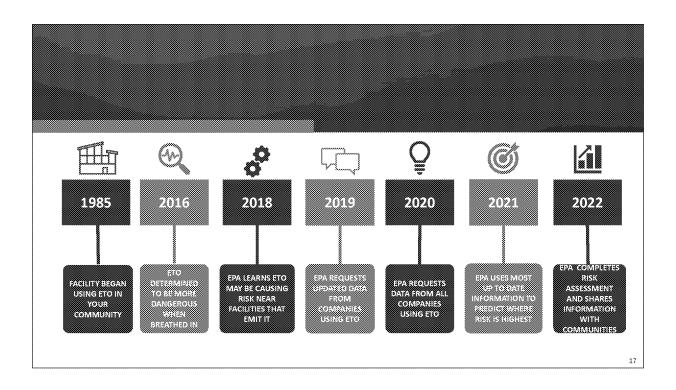
B. Braun Medical Inc. Allentown, Pennsylvania

Maximum Risk Level: 100/Million

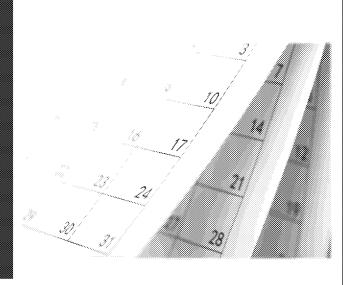
B. Braun is now below 100/million

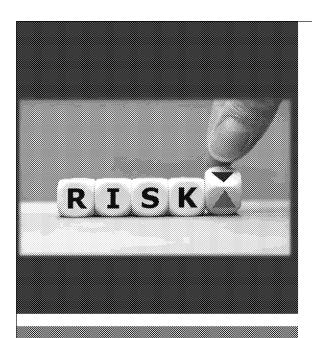
For more information and to view this map online: https://www.epa.gov/eto/allentown





We do not believe there to be short-term or acute risks associated with EtO in this community.



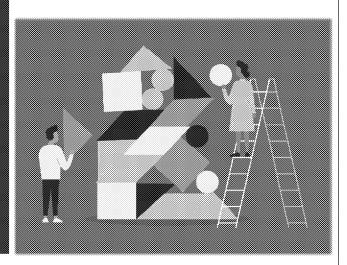


- July 2022: Complete analysis showing where, in which specific communities, risk is highest for people who live nearby.
- Continue to seek more immediate reductions of EtO coming out of facilities.

- 2016: Learn EtO is more dangerous when people breathe it in.
- 2018: Initial analysis showing that EtO might be causing risk near certain types of facilities.
- 2020-2022: Collect and verify data and complete analysis to understand more exactly where there is risk and why.

Work in Progress

- B. Braun has voluntarily installed two control systems in 2019 and in 2020 which has reduced EtO emissions over 90% from 2018 to 2021.
- Pennsylvania Department of Environmental Protection (PADEP) conducted a full air quality inspection in June 2021 and found no compliance issues.
- PADEP will continue to conduct routine inspections to verify compliance with air quality operating conditions.



For Updates and to Learn More

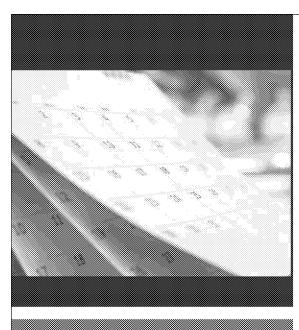
https://www.eto/allentown





Timeline

- New regulation to be proposed this year.
- The public comment period will last 60 days.
- Final rule is expected in 2023.
- Once the rule is final, facilities typically have 3 years to comply with new requirements.



Timeline (continued)

Additional actions this year on EtO:

- New risk information for workers at EtO facilities and people who work or attend school nearby
- Proposed changes to EtO use inside facilities expected in 2022
- Public comment period.
- Once changes are final, it typically takes several years for changes to take effect
- Learn more about EPA's review of EtO use as a pesticide: https://www.epa.gov/ingredients-used-pesticide-products/ethylene-oxide-eto

Key Points



EPA has learned that EtO is causing health risk in your community.

We are working to reduce this risk by:

- 1. Working across government and industry to reduce EtO coming from American Contract Systems.
- 2. We are updating air pollution regulations to be more protective of your health.
- 3. We are sharing these risk results with you, so you have the same information we have.

How to find this information

Start with this url: https://www.epa.gov/eto





Use Q and A Module to type a question.

